ZAKHAROV, A.V

PHASE I BOOK EXPLOITATION

BOY/3922

- Usyukin, Ivan Petrovich, Ivan Grigor'yevich Aver'yanov, Vladimir Semenovich Gorokhov, Anatoliy Maksimovich Gorshkov, Aleksandr Vasil'yevich Zakharov, and Nikolay Kasparovich Yelukhin
- Mashiny i apparaty ustanovok razdeleniya vozdnikha metodom glubokogo skhlarideniya; atlas konstruktsiy (Machinery and Apparatus for Air Separation by Low-Temperature Refrigeration; Atlas of Designs) Moscow, Mashgiz, 1959. 189 p. Errata slip inserted. 5,000 copies printed.
- Ed.: I.F. Usyukin, Doctor of Technical Sciences, Professor; Reviewers: I.K. Kondryakov, Candidate of Technical Sciences, and M.P. Malkov, Doctor of Technical Sciences, Professor; Eds.: P.M. Ionov, Engineer, B.N. Bol'shakov, and N.S. Kasperovich; Managing Ed. for Catalogs and Albums: K.A. Ponomareva, Engineer; Tech. Ed.: A.Ya. Tikhanov.
- PURPOSE: This atles is intended as a design manual for students of schools of higher technical education and can be used by planning and design offices and scientific research institutes in the study of problems of low-temperature refrigeration and the use of oxygen as a means of raising industrial output.

计程序设置 拉口公司 化基金油 一个工程的过程或指的电话语的问题: 可是一个世界的多洲战争的重要的重要的最级的重要的最级的

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Machinery and Apparatus (Cont.)

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COVERAGE: The atlas contains basic designs of Soviet and non-Soviet plants for separating air by the low-temperature refrigeration method. Also included are types of expansion engines and turbines, pumps for liquid oxygen, basic types of heat exchangers and rectification equipment used in oxygen and nitrogen plants, containers for storage and transportation of liquid gases, and muxiliary apparatus for drying and cleaning air. The operation of typical accessories under low-temperature conditions is shown. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Foreword

DESCRIPTION OF AIR-SEPARATION PLANTS

Commercial Oxygen [99.2 to 99.5% Pure] Gas and Pure
Nitrogen [99.95%] Plants
KHH-30 commercial-oxygen plant
KHH-30-T commercial-oxygen plant
AHI-115/18 pure-nitrogen and commercial-oxygen plant
UKHS-100 commercial-oxygen plant

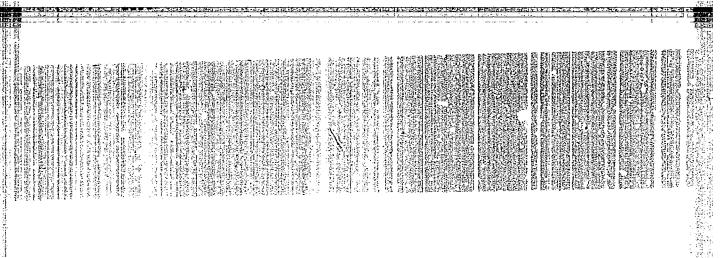
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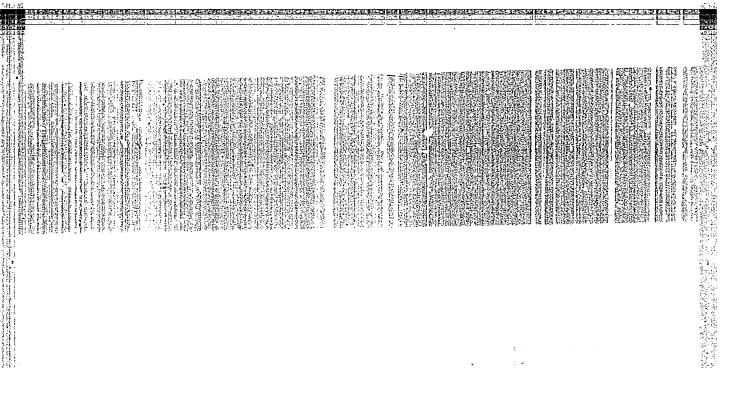
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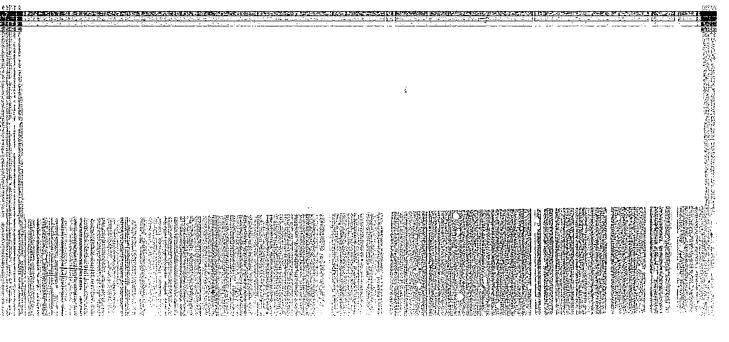
ZAKHAROV, A.V.; KROTIKOV, V.D.; TROITSKIY, V.S.; TREYTLIN, N.M.

Results of intensity measurements of the radio emission from discrete sources, the moon, and Jupiter at a wavelength of 70.16 cm. Izv. vys. ucheb. zav.; radiofiz. 7 no.3:553.*555 '64. (MIRA 17:11)

1. Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete.







ZAKHAROV, A.V. (Moskva)

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Organization of public health in the people's communes of China. (MIRA 13:5) Sov. zdrav. 19 no.2:82-87 160.

l. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A. Semashko (dir. Ye.D. Ashurkov). (PUBLIC HEALTH)

Zikifarov, A. V.

207 Endogennyye Pozhary da Shakhtokh Kuzbasaa. d., 1954. Oi. S Chert. 22 St., (N-vo Ugol'noy Prom-sti Saar. Tekhn. Unr. Taontr. In-t Tekhn. Informatsii. Vost, Hauch. Isiled. In-t Po Bazonanosti Labet V Gornoy Prom-sti Vostilli). 2.000 EKZ. Bespl. - (54.5494) P.

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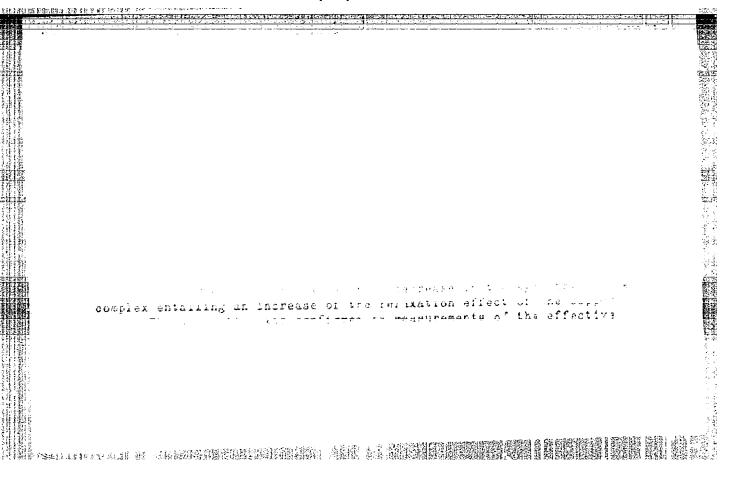
Preparation from the lytic substaces of Bacillus mesentericus and its action on ascitic cancer in mice. Vrach. delo no.12:1347 D '57.

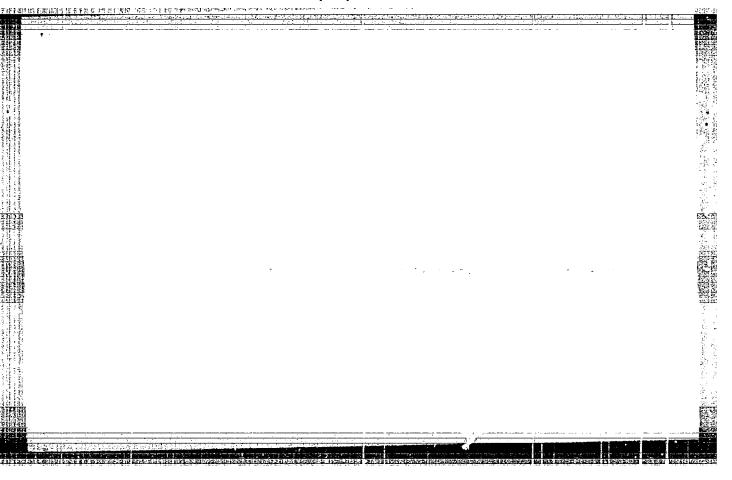
(MIRA 11:2)

1. Leboratoriya bioterapii raka (zav. - kand.ued.nauk M.P.Mazurenko) Kiyevakogo instituta epidemiologii i mikrobiologii i oidel tkanavykh bolkov (zav. - chlen-korrespondent AM USSR, prof. M.F. Mulyy) Instituta biokhimii AM USSR.

(CANCER) (RACTERIA, AMROBIC)

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POPEL', A.A.; DAUTOV, R.A.; ZAKHAROV, A.V.

Effect of the symmetry of the paramagnetic complex on proton relaxation time. Dekl.AN SSSR 149 no.3:637-638 Mr '63."

[MIRA 16:4)

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Lenina. Predstavleno akademikom B.A.Arouzovym.

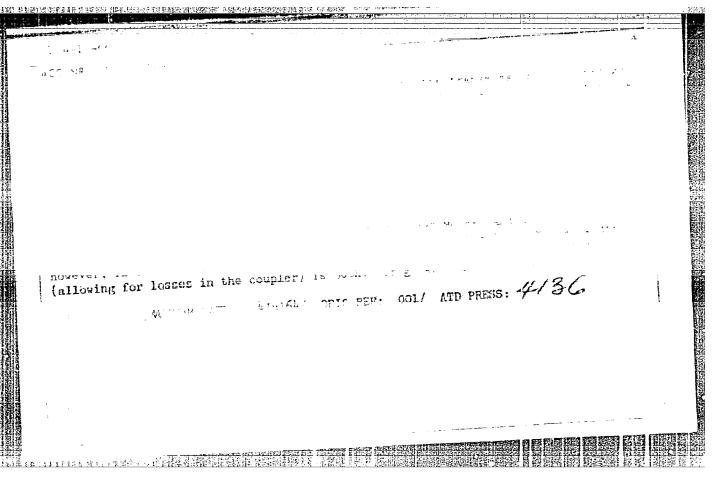
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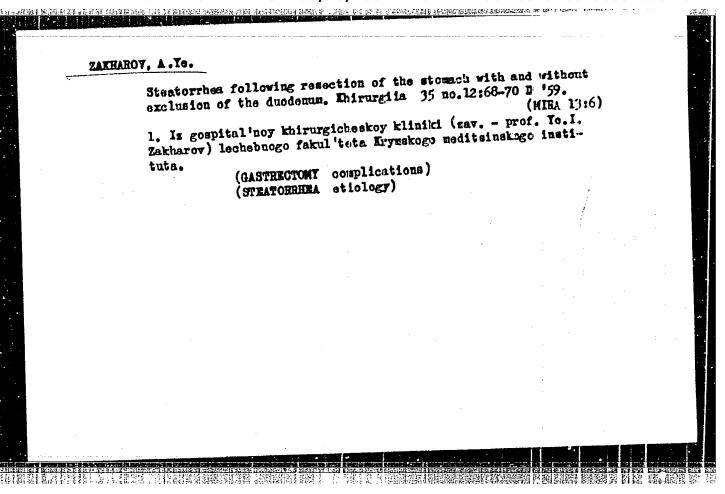
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KOROTKOV, G.I.; KUCHERENKO, V.G.; ZAKHAROV, A.Ye.; OVSYANNIKOVA, T.M.;
PANKOV, M.I.

Removal of riser heads. Metallurg 8 no.7:23 Jl '63. (MINA 16:8)

1. Zhdanovskiy metallurgicheskiy zavod im. Il'icha. (Steel ingots)

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ZAKHARO', A.Ia., kand.med.nauk

Mirror screen for the demorstration of surgical operations.

Min.khir. no.11:91 N '62.

1. Cospital naya khirurgicheskaya klinika Krymskogo mediteinskogo instituta.

(SURGERY, OFERATIVE—STUDY AND TRACHING)

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ZAKHAROV, A.Ye.; TITS, Yu.V. Build-up welding of the feed mechanism carriage of a pilgrim mill. Avtom. svar. 16 no.1:32-83 Ja '63. (MIRA 16:2) 1. Zhdanovskiy metallurgicheskiy savod imeni Il'icha. (Rolling mills-Maintenance and repair) (Feed mechanisms-Maintenance and repair)

ZAKULROV, A.Ye., inzhener; YZGONOV, D.A., inzhener.

Constructing reinforced concrete cylindrical srch shells. Stroitel'stvo (MIZA 6:6) no.5:10-20 My '53.

(Arches) (Reinforced concrete construction)

GOLUBOV, M.M.; LEGETDA, N.F.; ZAKHAROV, A.Yo. FADEYEV, A.Yu.; FANYKIN, N.I.; SAPRYGIN, Kh.M.; NOSOV, V.S.; VOLUTER, Te.V.; SHULIGA, Ye.A.; MIROSHNICHENKO, 5.I.

Effect of the rate of plate cooling on the quality of the metal after rolling. Met. i gornorud. prom. no.1:33-36 Ja-F '65. (MIRA 18:3)

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Cand Med Sci - (diss) "Small-intestine plastic operations in gastroectomy and resection of the stonech." Moscow, 1961. gastroectomy and resection of Lenin Med Inst imeni 1. M. Sechenov); 16 pp; (First Moscow Order of Lenin Med Inst imeni 1. M. Sechenov); 250 copies; price not given; (KL, 7-61 sup, 258)

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ZAXHAROV, A.Ye.; FOLIZOV, M.I. Therapeutic value of binillin-3 in the treatment of neute uncomplicated generated in males. Vest.derm.i ven. 35 no.4466 Ap '61. 1. Iz Kurskogo oblastnogo kozhno-venerologicheskogo dispansera (glavnyy vrach M.I. Folilov). (GONORRHEA) (PENICILLIN)

ENT (m) /ENP(w) /ENA(d) /T/ENP(t) /ENP(z) /ENP(b) MJH/JD 9643-66 SOURCE CODE: UR/0129/65/000/011/0020/0021 ACC NR: AP5027704 AUTHOR: Zekharov, A. Ye.; Legayda, H. T.; Rosov, V. S.; Vol'ter, ORG: none TITLE: Heat treatment of low-carbon and low-alloy steel plate 41,35, 15 SOURCE: Hetallovedeniye 1 termicheskaya obrabotka metallov, no. 11, 1965, 20-21 TOPIC TAGS: metal heat treatment, tempering, cooling, ferritic steel, pearlite steel ABSTRACT: The Ukrainian Scientific Jesearch Institute of Metals in collaboration with the TSNIIChERMET and the Kommunic Metallurgical Plant developed a new industrial process of the heat treatment (quenching and tempering) of St. 3 steel plate: quenching from 890-910°C and water cooling in the press, followed by tempering at 500°C. At the Kommunar Plant the thermal hardening is carried out in continuous roller hearth furnaces. Fiste 4-50 mm thick and up to 12 m long can be cooled in the press. The squeeze exerted by the press is 130 tons; the water-spray pressure is 2-3 atm. The microstructure of the plate is initially (after rolling) ferritic with a small amount of pearlite; following thermal hardening this microstructure is pearliticferritic (the amount of pearlite increases). Studies of the mechanical properties of St. 3ps stuel before and after this heat treatment revealed a marked increase in the impact strength of thermally hardened steel (3.9-7.4 kg-m/cm2) compared with the im-UDC: U69.15-194:621.785.74 Card 1/2

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pact strength of the nonhardened stee (1-1.7 kg-m/cm²) at temperatures as low as -40°C. In both cases the threshold of cold brittleness is the same, -25 to -30°C. Thermal hardening enhances the fatigue limit from 6 to 32% and reduces susceptibility to atress concentration. This technique of heat treatment was experimentally tested not only in furnaces but also in rolling mills on employing a special installation for utilizing the heat of rolling in order to increase the mechanical properties of the plate. In addition, the effect of accelerated water cooling was also investigated, for the steels 14khGs. SkhL-4, 09G2; ts. Sk. M16S, 3M, 20K (plate thickness 10-24 mm) Findings: thermal hardening during rolling increases tensile and yield strength by an average of 2-4 kg per mm² and impact strength, by 0.5-1.5 kg-m/cm², while at the same time reducing relative elongation by ~2%, i. e. the increase in mechanical properties is considerable. As the thickness of the steel plate increases, the effect produced by water cooling decreases, and in the presence of 20-mm thickness this effect no longer is active. Orig. art. has: 1 figure.

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[Efforts made in the U.S.A. to prevent the sticking of boring tools] Bor'be s prikhvatami buril'nogo instrumenta v SShA. Moskva, Izd-vc "Nedra," 1964. 86 p.

(MIRA 17:3)

Submariners keep their word given to the Party. Komma. Vcoruzh.
Sil 46 no.23:42-45 D '65.

(MIRA 18:12)

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ZAKHAROV, B.; KONSTANTINOV, Yu.

For a deeper interpretation of problems connected with the administration of an enterprise. Sots. trud 8 no.7:156-159
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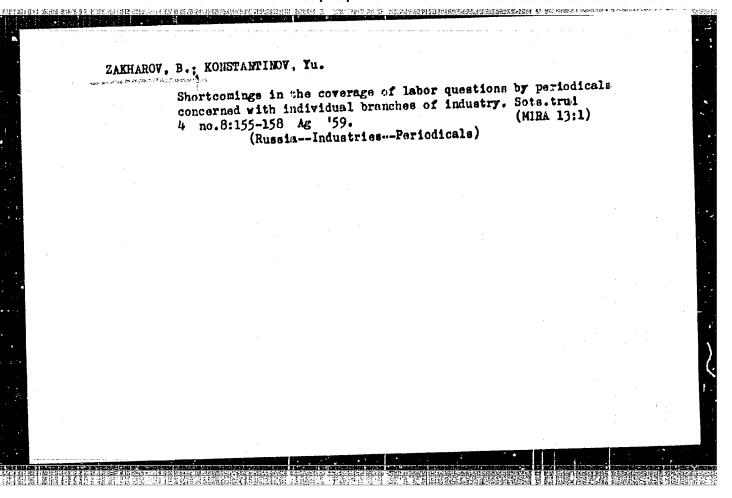
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Sentries of naval frontiers. Komr. Vcoruzh. Sil 4 no. 131
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(MIRA 1727)



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Supply workers with a basic knowledge of sconomics. Sats. trud
5 no.11:154-158 N '60.

(Economics—Study and teaching)

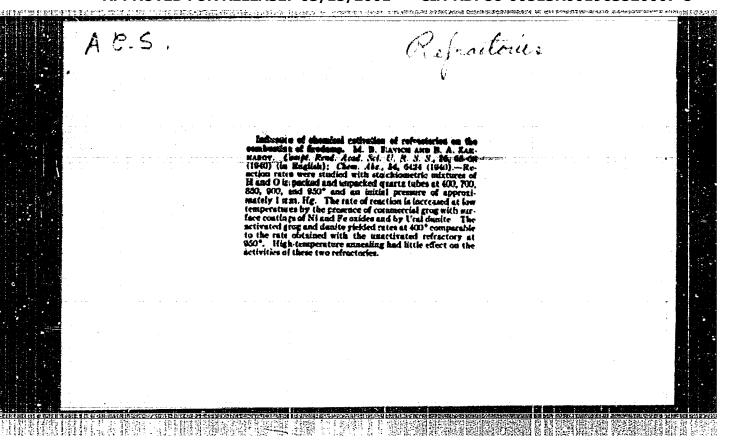
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"Work organization in a shop section" by A.G.Logev. Reviewed by B.Zakharov, IU.Konstantinov. Sots. trud. 7 noll:152-516 N '62. (MIRA 15:12)

(Labor and laboring calsses)
(Losev, A.G.)

SOURCE CODE: UR/0109/66/011/001/0021/0024 I. 21674-66 ACC NR. A P600 3551 AUTHOR: Bobrova, L. N.; Zakharov, B. A.; Mendelev, B. A.; Yudanov, B. V. ORG: none TITLE: Analyzing the operation of a logarithmic pulse accumulator SOURCE: Radiotekhnika i elektronika, v. 11, no. 1, 1966, 21-24 TOPIC TAGS: pulse accumulation, logarithmic pulse accumulation ABSTRACT: Fundamental formulas for designing logarithmic pulse accumulators will see a reclear-reas or stair but sedures) are developed. It is proved The second of th The second of th The control of the second control of the control of is specially parallely of the control) figures and 14 formulas. SUB CODE: 18, 09 / SUBM DATE: 145ep64 / ORIG REF: 001 / OTH REF: 002 UDC: 621.317.795.3:539.1



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(Mor., Catalytic Combustion Leb., -1946-; Mor., 1948-).

"Influence of Chemical Activation of Refractories upon the Combustion of Five-Dump," Dok. AM 26, No. 1, 1940;

"Catalytic Effect of Exydes of Rare Elements on the Combustion of Hydrogen,"

1511., 27, Mo. 5, 1940;

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Porcelian Tube," Dok. AM, 60, No. 9, 1948;

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ZAKHAROV, B.A.

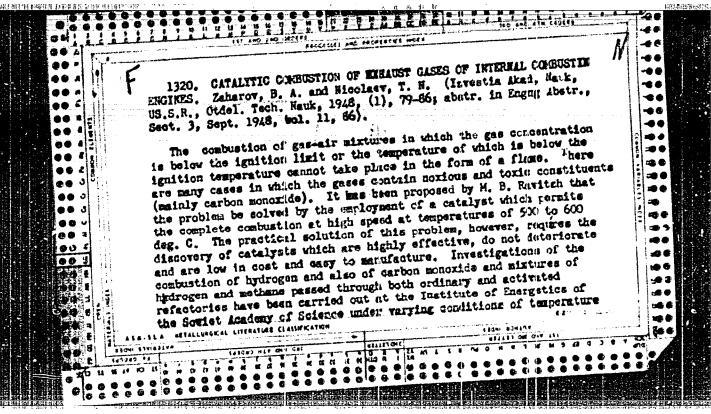
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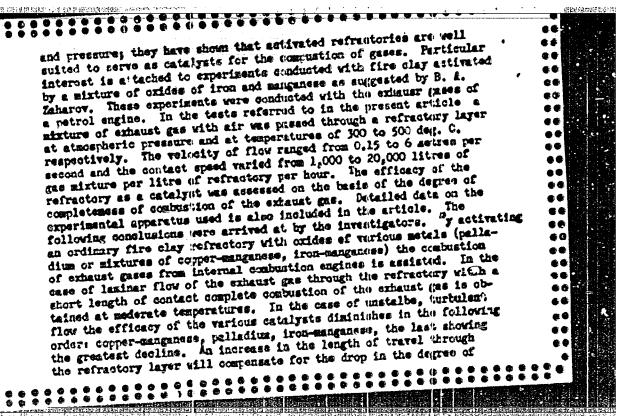
Lab. Motor Fuels, (-1946-)

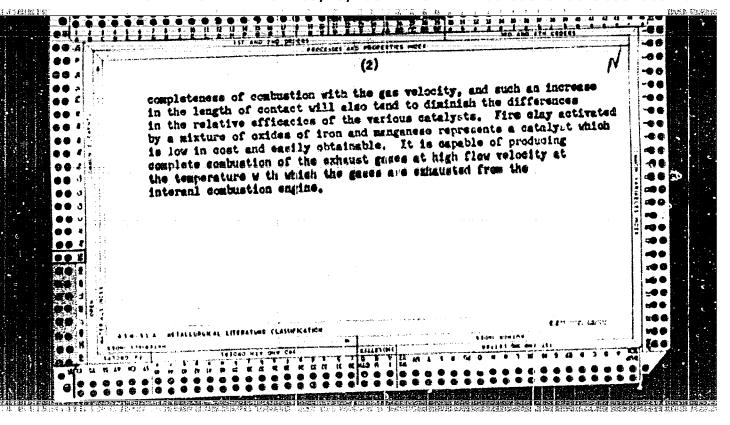
"Pressure Drop Through Granular Materials in Packed Tubes."

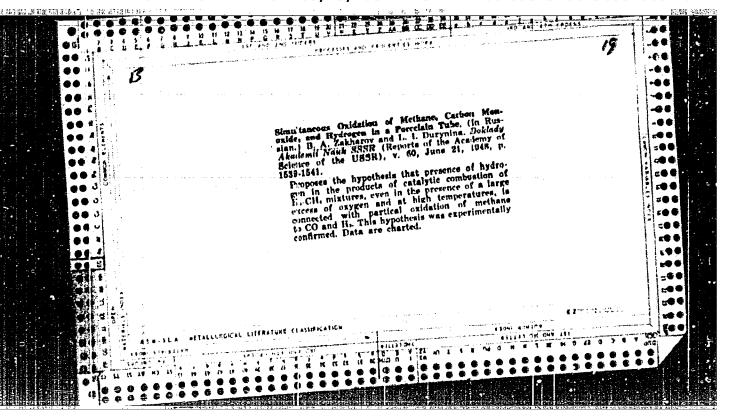
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ZAKHAROV, B.A.; YUDANOV, B.V.

High-efficiency cynamic modulator. Prib. 1 tekh.eksp. 10 no.5:212-213 S-0 165. (MIRA 19:1)

1. Submitted Sept.12, 1964.

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BOBROVA, L.M.; ZAKHAPOV, B.A.; MENDELEV, P.A.; YUDAHOV, P.V.

Analysis of the operation of a logarithmic pulse storing diviso.
Padiotakh. i elektron. 11 no 1:21-24 Ja 166. (1984 19:1)

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Use of dynamic capacitors in the modulation of weak electric signals. Prib. i takh. eksp. 9 no.1:127-131 Ja-F '64.

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ZAKHAROV, B.A.; IVANOV, V.I.; MAL'TSEVA, A.L.; KRYLOVA, G.A.

Controlling the specificity of cellulose 'management in the course of treatment with dilute nitric acid. Izv. AN SSSR.Otd.khim.nauk no.5:926-927 My '(i). (MIRA 14:5)

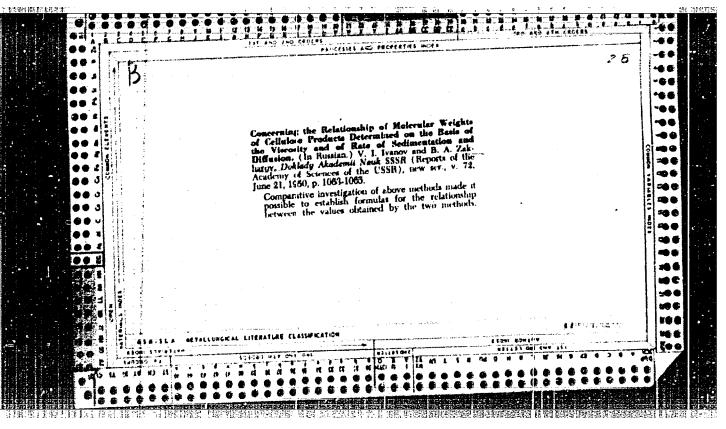
1. Institut organickaskoy khimii im. N.D.Zelinskogo AN SSSR. (Cellulose)

ZAKHAROV, B.A. (Moskva); POTEKHIN, A.M. (Moskva); YUDANOV, B.V. (Moskva)

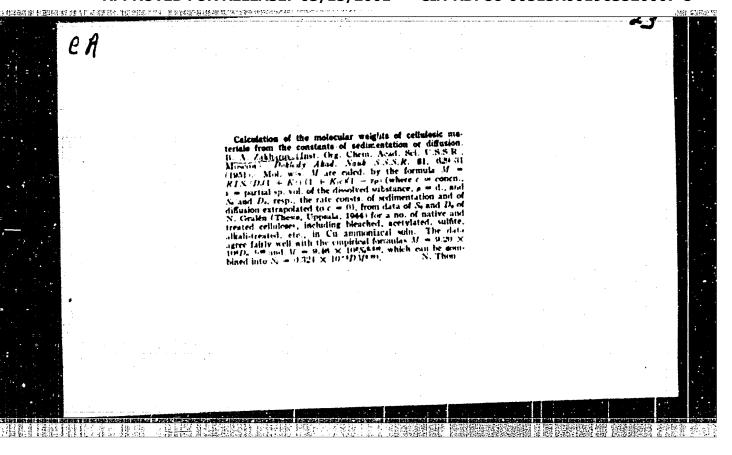
Effectiveness of negative feedback in a logarithmic current amplifier.

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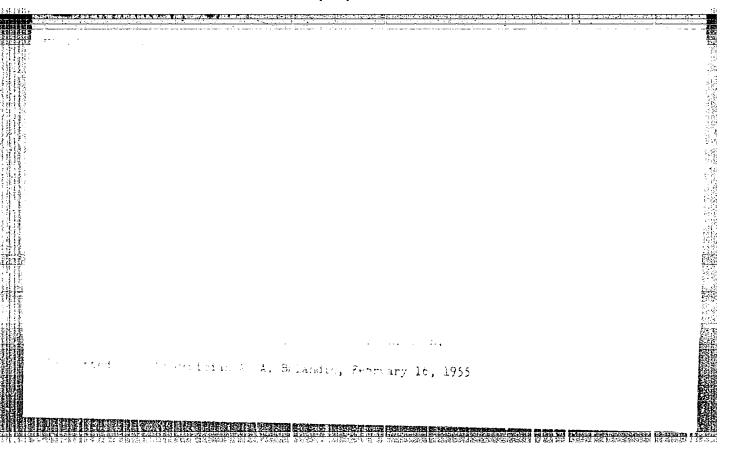
IVANOV, V.I. (Moskva); ZAKEAROV, B.A. (Moskva).

Development and progress of the osmemetric method for determination of the molecular weight of high molecular weight compounds. Vep.khim. 22 no.6: (MLRA 6:5) (MLRA 6:5) (High molecular weight compounds)

IVANOV, V.I., doktor tekhnicheskikh nauk; ZAKHAROV, B.A., kundidat tekhnichesi-kikh nauk.

Functions of nolecular weight distribution in cellulous and its derivatives. Bum.prom. 29 no.2:5-10 Mr 154. (MLRA 7:5)

1. Institut organicheskoy khimii Akadenii nauk SSSR. (Cellulose) (Molecular weight)



Category: USSR

B-9

Abs Jour: Zh--Kh, No 3, 1957, 7582

Author

Inst

Rubinshteyn, A. M., Kulikov, S. G., and Zakharov, B. A.

Title

: Relative Activity of the Oxides, Sulfides, and Selenides of Ni, Zn, and Cr in the Catalytic Decomposition of Isopropyl

Orig Pub: Izv. AN SSSR, Section on Chemical Sciences, 1956, No 5, 587-595

Abstract:

The specific surface of and phase composition of NiO, NiSe, ZnO, ZnS, ZnSe, Cr₂0₃, CrSe, NiO-ZnO, NiS-ZnS, and NiSe-ZnSe catalysts was determined before and after their utilisation in the decomposition of absolute isopropyl alcohol. The reaction was carried out in a flow system, using 10 ml of catalyst (grain size 1.5 x 5.0 mm) and an i-C₃H₇OH space velocity of 0.6 \pm 0.02 hrs⁻¹

Card

: 1/2

-34-

IVANOV, V.I.; ZAKHAROV, B.A.

Basic properties of cellulose necessary for obtaining strong and extra strong fibers. Bum. prom. 33 no.9:4-7 S '58. (HIRA 11:10)

1. Institut organicheskoy khimii AN SSSR. (Cellulose) (Textile fibers, Synthetic)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

5(3)

Krylova, G. A., Vyunova, N. G.

307/20-122-5-18/56

NICE THAT HE WAS THE PROPERTY OF DISCHARGE THE PARTY OF

TITLE:

Holecular Homogeneity and Properties of Cellulose (Mole alyamaya gomogeneost' i svoystva tsellyulozy)

PERIODICAL:

Dohlady Ahademii mauk SUSR, 1958, Vol 122, Nr 5,

્રેટ 814 - 615 (UNCR)

.. UTRACT:

For some time the opinion was prevalent that the molecular weight of cellulose as a highly molecular compound (Refs 1-4) amounted to about 500 COO (Ref 5). However, viacosimetric measurements and the retardation of oxydative degr dation yielded a figure of about 1,600 000 for this weight (Refs 6-8). Recently this was confirmed (Refs 9-11). As early as 1939, strange and hardly explicable observations were made (Refs 12-13): the presenting of the strange and t

(Refs 12-13): the properties of strength of the natural cellulose fibres became obvious in a solid state at an average molecular weight $(\overline{\bf H})$ of about 32 000 and increase rapidly with an increase of $\overline{\bf H}$

Card 1/4

up to 113 000; then the increase of strength is

Holecular Homogeratic and Properties of Callulone

SCV/20-122-5-18/56

constantly reduced up to 160 000 above which it remains countact. Furthermore it was discovered that collubour is heterogeneous with respect to the length of chain molecules (Refs 14, 15). Therefore that above figure of molecular weight must be considered as an average value depending undoubtedly on the method of measuring. A general idea of the heterogeneity of cellulose is offered by the average coefficient of heterogeneity.

 $\overline{U} = \frac{\underline{M}_{\text{weight}}}{\underline{\underline{M}}_{\text{num}}} - 1$, in which $\underline{\underline{M}}_{\text{weight}}$ and $\underline{\underline{M}}_{\text{num}}$ are the

molecular weights: overage by weight and numerical overage, respectively. In modern studies the heterogeneity of cellulose is described more completely and more accurately by means of functions of integral and differential calculus (Ref 16). At present some tests are conducted in order to estimate the changes in heterogeneity in different processes of solution and production and to combine the heterogeneity

Card 2/4

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

Molecular Homogeneity and Properties of Callulose S67/20-122-5-18/56

with the quality of the cellulose products. This, however, was rather complicated and afforded little hope of success. The authors wanted to tackle the task of specifying the problem of chain molecule length. The more precise concept and meaning of homogeneity of cellulose served them well in this work. According to their opinion, two characteristics of homogereity, which can be determined on the curve of mass distribution, are of decisive importance; a) the degree of homogeneity (mono-dispersion), which expresses the physical nature of the phenomenon. This characteristic is defined by the height and basis of the maximum on the curve. b) the other characteristic is determined by the degree of polymerization(P), which corresponds to the maximum. As a consequence, the super-molecular structure of cellulose (opposite position of molecules and inter-molecular bonds) can and must be determined by the degree of molecular homogeneity. The authors proved this in experiments. Nitric others produced from cellulose in finished

Card 5/4

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

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Molecular Homogeneity and Properties of Cellulose 50V/20-122-5-18/56

... products were fractioned according to the method of precipitation (Ref 18). Examples are given and explained by means of curves (Fig 1, curves 1-4). The some 1 figure and 19 references, 4 of which are

ASSOCIATION: Institut organish show khimii in.N.D.Zelinskogo Akademii naud. SSSR (Institute of Organic Chemistry imeni N.D.

Zelinskiy of the Academy of Sciences USSR)

PRESENTED:

June 3, 1958, by P.A.Rebinder, Academician

SUBMITTED:

May 25, 1958

Card 4/4

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

5(3)

AUTHORS; Ivanov, V. I., Zakharov, B. A...

507/20-123-4-32/53

Krylova, G. A., V'yunova, N. G.

TITLE:

A Chemical Method of Homogenizing Cellulose With Respect to Molecular Weight (Khimicheskiy metod gomogenizatsii tsell-

yulozy po melekulyarnomu vesu)----

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 4,

pp 691 - 692 (USSR)

ABSTRACT: ___

In an earlier report by the authors (Ref 1) their theoretical ideas that the strength of the cellulose products is closely connected with the homogeneity of the cellulose with respect to the length of the chain molecules, was proved. From the data in publications it may be concluded that during the individual production stages (Refs 3-6) no considerable homogeneity of cellulose is obtained. The authors have investigated the absorption of acids by cellulose from aqueous solution. Cotton cellulose was used for these experiments as well as chemical (sulfate) wood pulp. It was treated with HHO₂

Card 1/3

(concentration 0.2 n at 920) (cotton cellulose for 1 hour,

A Chemical Method of Homogenizing Cellulose With Respect S07/20-123-4-32/53 to Molecular Weight

chemical wood pulp for half an hour). Furthermore the cotton cellulose was treated under the same conditions with HCl. Figures 1 and 2 show the results obtained: the cotton cellulose (Fig 1, Curves 1 and 2) is to a large extent heterogeneous with respect to its molecular weight. The treatment of cotton cellulose led to a degradation of long chain molecules with a definite homogenization (Curvo 4), whereas the effect of nitric acid was accompanied by a considerable honogenization (Curve 3). The treatment of the sulfate chemical wood pulp according to the method of the institute (IOKh AS USSR) mentioned under Association leads to a physical-chemical homogenization of the cellulose. The maximum on the mass distribution curve is at P= 850 (Fig 2, Curve 2). HNO, causes the displacement of this maximum into the low-molecular range, i.e. P= 220. The results obtained make it possible to draw the conclusion that $\mathrm{HNO}_{\mathbf{x}}$ may be used for the homogenization mentioned in the title. The high degree of homogenipetion can be reached at a desired degree of polymerization by the selection of the conditions of the combined physico-chemical homogenization (concentration, temperature, duration). Thus,

Card 2/3

A Chemical Method of Homogenizing Cellulone With Respect SOV/20-123-4-32/53 to Molecular Weight

an appropriate strength of various cellulose products can be obtained. There are 2 figures and 11 references, 3 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk

SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy

Academy of Sciences USSR)

PRESENTED: July 11, 1958, by V. A. Kargin, Academician

SUBMITTED: June 20, 1958

Card 3/3

ZAKHAROV, B.A.; IVANOV, V.I.; KRYLOVA, G.A.

Homogeneity of cellulose according to its molecular weight and its importance in manufacturing strong fibers. Khim.volok. no.3: 32-35 159. (MIRA 12:11)

1. Institut organicheskoy khimii AN SSSR. (Cellulose) (Textile fibers, Synthetic)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

SOV/62-59-5-38/40

5'(3) AUTHORS: Ivanov, V. I., Zakharov, B. A., Trukhtenkova, N. Ye.,

Krylova, G. A.

TITLE:

Letters to the Editor (Pistma redaktoru)

PERIODICAL:

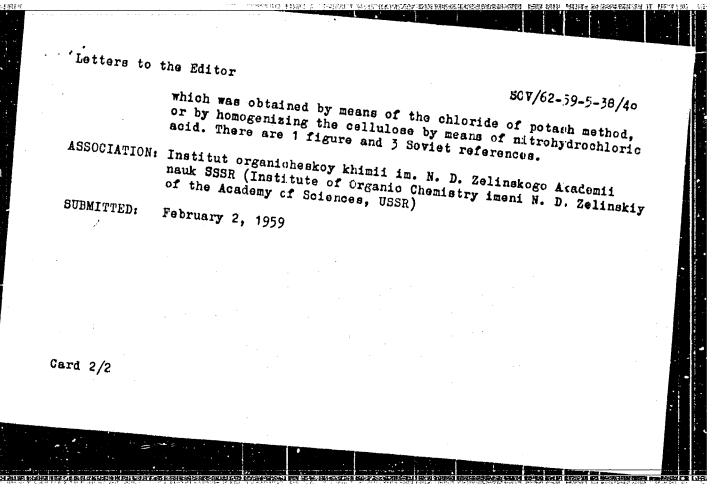
Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,

1959, Nr 5, p 949 (USSR)

ABSTRACT:

In earlier papers (Refs 1-3) the authors had shown that the strength of a hydrated cellulose fiber may be determined mainly from the homogeneity of the molecular weight of the cellulose. Accordingly, the molecular homogeneity of bleached sulfite Accordingly, the molecular homogeneity of bleached sulfite paper with known strength characteristics was investigated after a single deformation (double folding). Papers of the type A, and papers made by the firms Aane and Serlakius were investigated. The mass distribution function in dependence on the degree of polymerization is represented by a figure for the various types of paper. Investigations showed that, in order to attain a high degree of strength, a very homogeneous cellulose in the range of polymerization above 2000 is necessary. This may be attained by using a cellulose for paper production,

Card 1/2



5(1,3) 507/20-127-2-45/70

AUTHORS: Zakharov, B. A., Ivanov, V. I., Krylova, G. A.

TITLE: The Homogenization of Cellulose With Respect to Molecular.
Weight in the Process of Bleaching by Activated Oxidation

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 2,

pp 396 - 397 (USSR)

ABSTRACT: The results obtained by the authors and the data given in the publications show that the usual chemical methods of cellulose.

working to hydrate cellulose fibers are not able to guarantee the production of highly solid structural-homogeneous fibers. Although the processes used change, as a rule, the heterogeneity of the molecular weight, they do not cause a considerable homogeneity of cellulose. Therefore it became a topical object to estimate the mentioned processes from the point of view of the change in homogeneity and to change these processes in the necessary direction. The treatment of cotton- as well as of

wood cellulone with diluted nitric acid causes a far-reaching

Card 1/3 homogeneity (Ref 3). In contrast to this, a modification

The Homogenization of Cellulose With Respect to SOV/20-127-2-45/70 Molecular Weight in the Process of Bleaching by Activated Oxidation

数据和数据的通过的指述证据,不允许更加的数据的证据的现在分词,就是的问题的证明,是可以是一个一部(2011年),在101年间的问题,但是这种的的现在是一个一个一个

of the usual factors alone is not successful (Ref 4). From figure 1 follows that the usual bleaching of the sulphite cellulose of wood only reduces the homogeneity (Ref 5). In this connection it was interesting to modify the oxidation process upon which the bleaching with sodium hypochlorite is based. Therefore the authors investigated the topic mentioned in the title. Hrea served as activator. The cellulose preparations of G. A. Krylova (Ref 6) were investigated. The figure 213 shows the distribution of the molecular weight of the sulphate cellulose which served, partly bleached and refined with alkali, as initial cellulose. The figure 2:1 shows that no homogenization proceeds if sodium hypochlorice influences this cellulose. A considerable specific homogenization is, in contrast to this, obtained, if the activated oxidation is used (preliminary treatment of the cellulose with urea) and the cellulose treated with hypochlorite oxidized after that. The above homogenization is bound to be connected with the increased accessibility of the long chain molecules for the oxidizing agent if the duration of the activated oxidation amounts to only 1/10 of the usual one, and the content of carbonyl- and carboxyl groups in the bleached

Card 2/3

The Homogenization of Cellulose With Respect to SOV/20-127-2-45/70 Molecular Weight in the Process of Bleaching by Activated Oxidation

celluloses is on the whole equal (Ref 6). The specific degradation proceeding here increases the quantity of the molecules with the polymerization degree 800. It may therefore be expected that the use of catalysts or activators will establish conditions which guarantee a specific degradation and increase of the homogeneity of cellulose with respect to its nolecular weight in several chemical working processes of cellulose materials and in their working to hydrate cellulose fibers. There are 2 figures and 6 references, 5 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of

the Academy of Sciences, USSR)

PRESENTED: March 21, 1959, by P. A. Rebinder, Academician

SUBMITTED: March 9, 1959

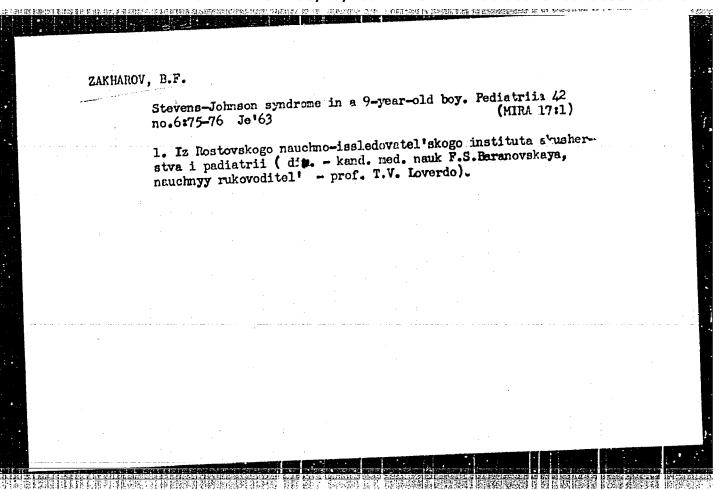
Card 3/3

LUBENETS, V.D., kand.tekhn.nauk, dots.; FROLOV, Ye.S., kand.tekhn.nauk; VASIL'YEV, V.I., inzh.; VLASOV, V.M., inzh.; ZAKHAROV, B.D., inzh.

Investigating the performance of the VN-120 vacuum-pump. Inv. vys. Richeb. Edv.; mashinostr. no.4:166-171 59. (MIRA 13:4)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche is. Bausana. (Vacuum pumps)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"



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/ 26741-66 ENT(m)/T/ENP(t) IJP(d) JD/JG SCURCE CODE: UR/0070/66/	c11/002/0227/0235
AUTHOR: Zakharov, B. G.	e
ORG: none TITLE: Influence of the degree of perfection of Ge and GeAs on the tegral intensity at the K absorption edge SOURCE: Kristallografiya, v. 11, no. 2, 1966, 227-235 TOPIC TAGS: germanium, gallium armenide, crystal imperfection, encountries of the crystal, absorption edge, x radiation, radiation intensity tion phenomenon ABSTRACT: The author investigated the perfection of Ge and GaAs intensity discontinuity in the region of the K absorption edge, we intensity discontinuity in the region of the K absorption of the second continuity in the region of the K absorption of the second continuity in the region of the K absorption of the second continuity in the region of the second continuity in the region of the second continuity of this nethod is investigations of the second continuity.	primaxial growing, , erystal disloca- ty recording the with an aim of as- perfection of single th 184-51 ap-
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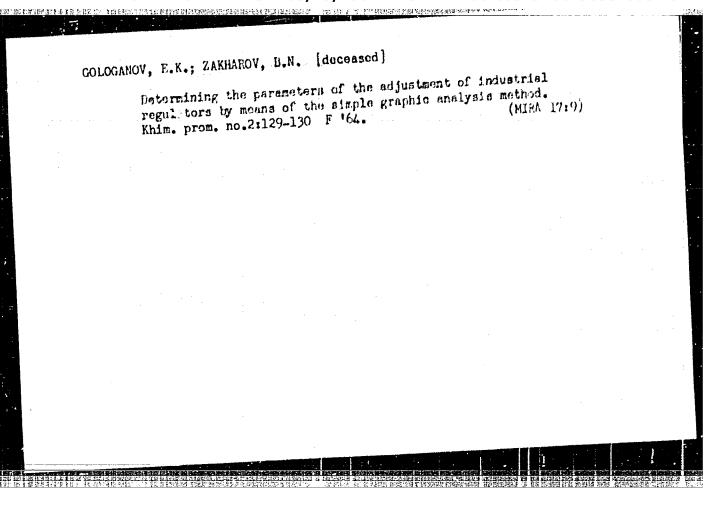
ACC NR. ARCOll466 density. It is indicated on the basis of the result that the thickness of mossic entractal films can be determined by an x-ray method based on a procedure suggested in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10, No. 3, h.r., 1965) and in an earlier paper by the author (K istallografiya v. 10,

ZAKHAROV, B.I.

Manifestation of timely and premature deterioration of the sacroiliac joint. Trudy LIETIN no.16:404-412 164.

Accessory sacroiliac joints and manifestations of their premature deterioration. Tbld.:413-420 164. (MIFA 19:1)

1. Pervyy Leningradskiy meditsinskiy institut imeni akudemika I.P. Pavlova.

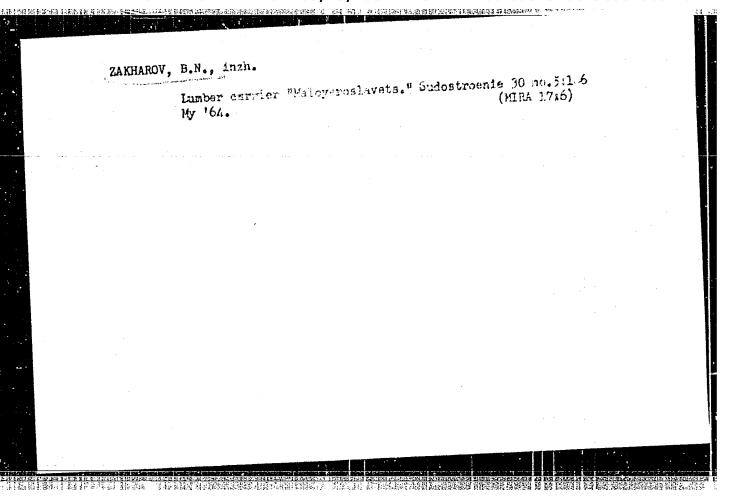


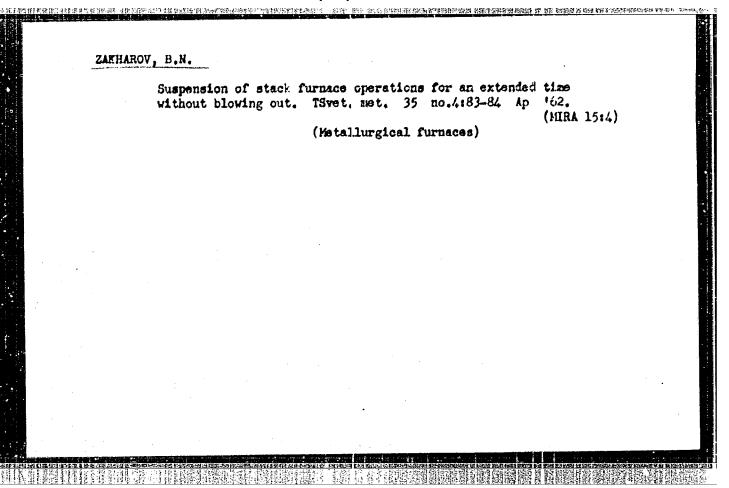
SOBOLEV, V.M.; PROKOF'YEV, Ya.N.; FEL'DBLYUM, V.Sh.; ZAKHAROV, B.N. [deceased]; MKHEIDZE, M.A.

Low-temperature viscosimetric tests in the development of the technology for the synthesis of butyl rubber. Kaush. 1 rez. 23 no.6:1-4 Je '64. (MIRA 17:9)

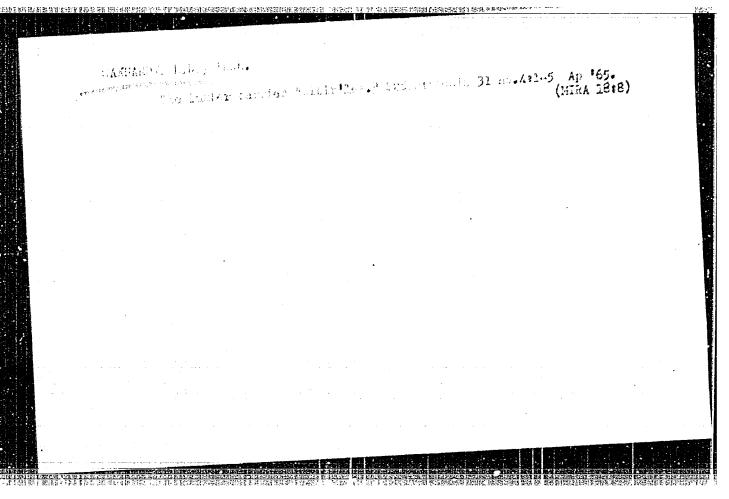
1. Nauchno-issledovatel'skiy institut monomerov dlya sinteticheskogo kauchuka.

ZAKHAROV, B. N.: Cand Faster Tech Sci (diss) -- "Investigation of the operation of the moldboards of ditch-digging machines in cutting a temporary irrigation network (On the theory of cutting soil)". Moscow, 1959. If pp (Min Transport-Wachine Building USSR, All-Union Sci Res Inst of Transport-Machine Building), 150 copies (KL, No 13, 1959, 105)





ZAKHAROV, B.W.							
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ZAKHARUV, B.N., kapitan-leytenant

Interchangeability is needed for combat. Mor. sbor. 48 no.1:51-53
(MIRA 18:4)
Ja 165.

ANIKIN, Nikolay Aleksandrovich; DROHYSHEVSKAYA, Nadembda Ivanovna;

DUDINOV, Vladimir Aleksayevich; KON'KOV, Arkadiy

Sergeyevich; KONYUKHOV, Sengey Mikhaylovich; MESHCHERIMOV,

Fedor Ivanovich; POLETSKIY, Aleksandr Timofeyevich; POLIAKOV,

Gleb Maksimovich; SAL'NIKOV, Oleg Alekseyevich; CHERNOBAY,

Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, retsen
Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, retsen
zent; NEFED'IEV, G.N., kand. fiz.-mat. nauk; SOKOLOV, V.M.,

kand. fiz.-mat. nauk; SOKOLOVSKIY, V.I., kand. tekhn. nauk;

RUDIN, S.N., inzh.; EYDINGV, M.S., kand. tekhn. nauk; DUBITSKIY,

G.M., doktor tekhn. nauk, red.; ZAKHAROV, B.P., inzh., red.;

G.M., doktor tekhn. nauk, red.; FERETS, V.B., kand.

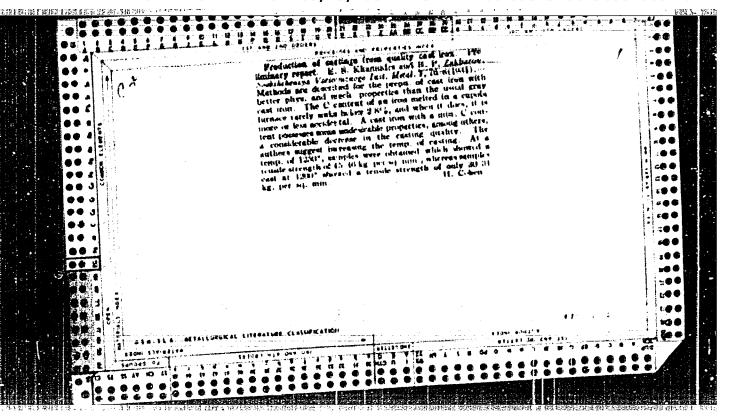
KONOVALOV, V.N., kand. tekhn. nauk, red.; FERETS, V.B., kand.

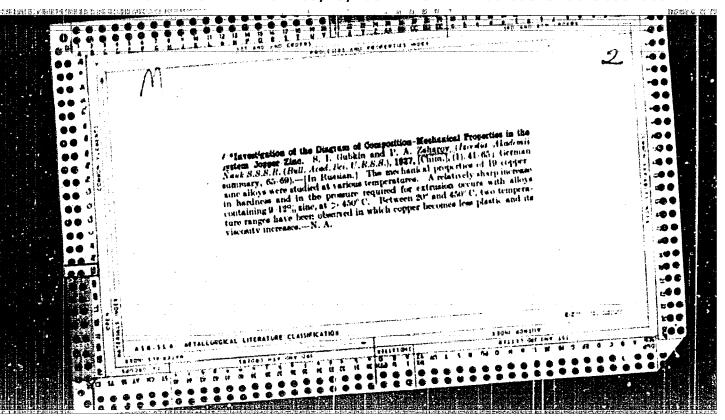
tekhn. nauk, red.; ROZENHERG, I.A., kand. ekonom. nauk, red.;

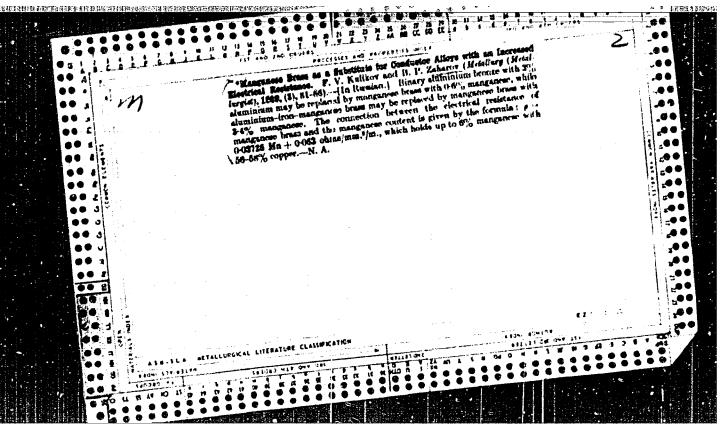
STEPANOV, V.V., kand. tekhn. nauk, red.; DUGINA, N.A.,

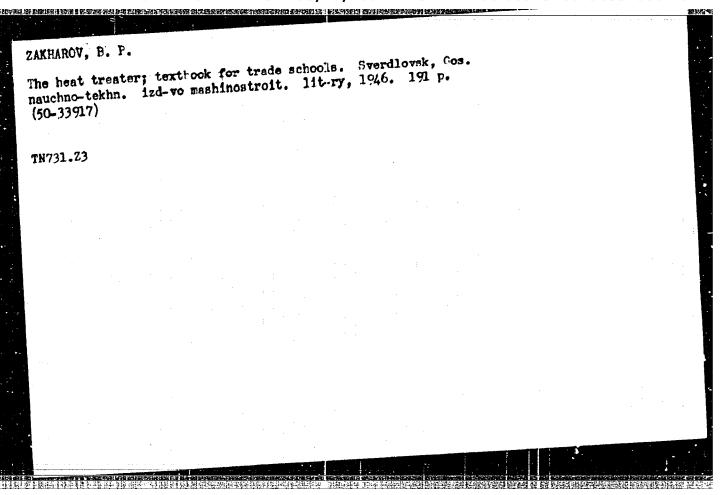
red.; SHABASHOV, S.P., kand. tekhn. nauk, red.; DUGINA, N.A.,

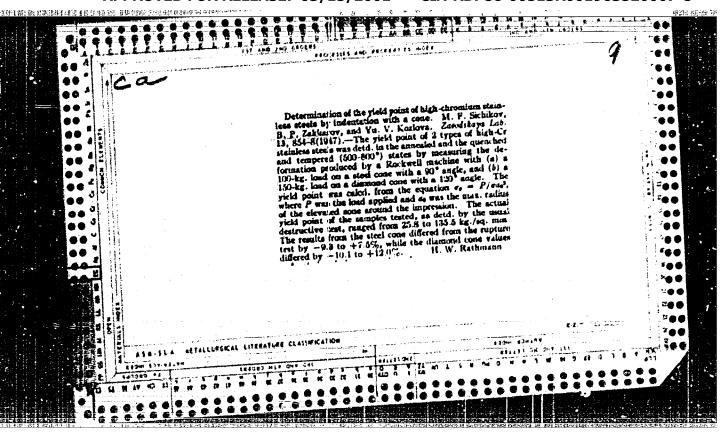
[Handbook for inventors and innovators]Spravochnik dlia izobretatelia i ratsionalizatora. [By] N.A.Anikin i dr. Izc.3., ispr. dop. Moskva, Mashgiz, 1962. 791 p. (MIRA 16:1) (Technological innovations—Mechanical engineering)

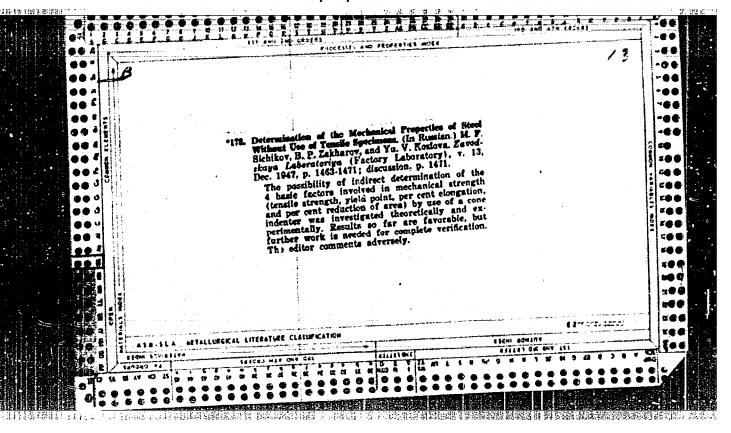










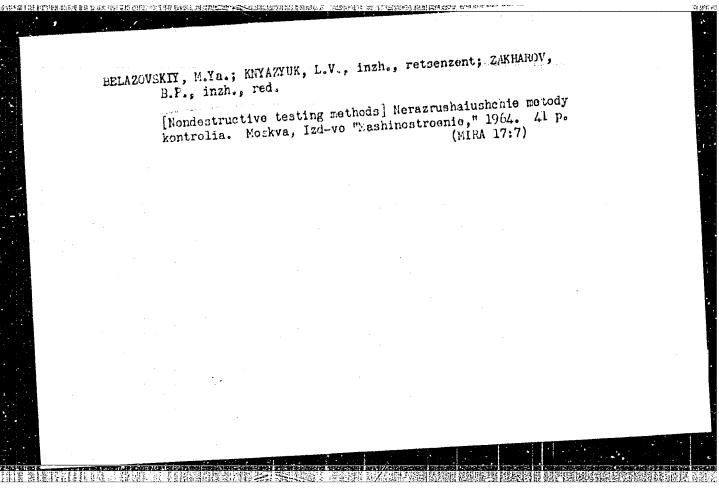


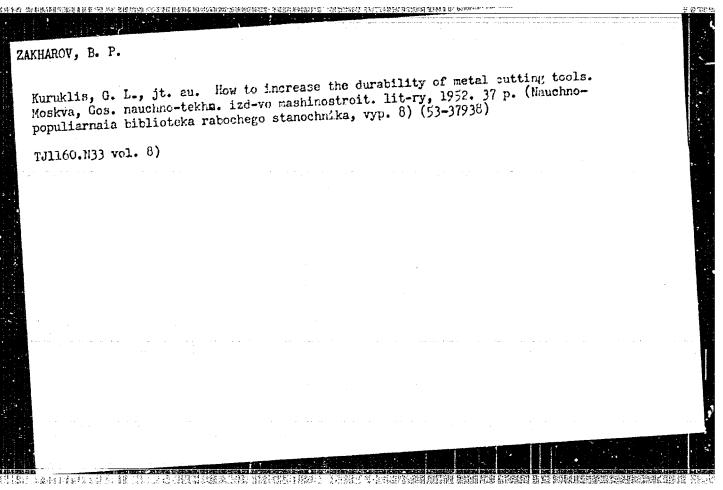
ZAKHAROV, B.P., inzh.; YURKOV, V.N., kand.tekhn.nauk; EELYASHOV, V.N., inzh.

Using a bunker train in tunneling. Shakht. strbi. 7 nc.4:23-25
(MIRA 16:3)

Ap '63.

1. Glubocharskoye shakhtostroyupravleniye (for Zakharov). 2. Altayskiy torno-metallurgicheskiy nauchno-jesledovntel'ekiy institut (for Yurkov, Belyashov).





LEST LECTER AND LEST CHARGE PARTIES PA ZAKHAROV. B.P.; DUGINA, N.A., tekhnicheskiy redaktor. [Electric metal-machining processes] Elektricheskie sposoby obrabotki metallov. 2-e isd. Pod red. V.M.Gorelova, Moskva, Gos. nauchno-tekhn. izd-vo Kashinostroit. i sudostroit. lit-ry, 1954. 48 p. (Fanchno-populiarnaia biblioteka rabochego stanochnika, no.10) [Microfilm](MIRA 7:11) (Electric spark) (Metal cutting)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

SOKOLOV, K.M., kandidat tekhnicheskikh nauk; MAKHAROF, B.P., inchener, redaktor; DUGINA, N.A., tekhnicheskiy redaktor

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